

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of the claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A heat exchanger comprising a plurality of substantially identical heat exchanger plates disposed in stacked relationship, with alternate plates in the stack of plates being in inverted orientation, and with a space between each plate and the plate adjacent thereof, alternate spaces each constituting a flow path for a first fluid and the remaining spaces constituting a further flow path for a second fluid, and each plate having a plurality of ribs each of anticlastic form, the ribs being located in the spaces constituting one of said flow path and said further flow path, whereby the stack of plates includes adjacent plates in which the ribs thereof are in intersecting, interengaged relationship to ensure accurate alignment between said adjacent plates.

2. (Original) A heat exchanger according to claim 1, wherein the heat exchanger plates comprise a plurality of plate pairs, with the ribs of each plate of each plate pair projecting outwardly from said plate pair and being in interengaged relationship with the ribs of the adjacent plate of the adjacent plate pair.

3. (Original) A heat exchanger according to claim 1, wherein the heat exchanger plates comprise a plurality of plate pairs, with the ribs of each plate of each plate pair projecting inwardly of said plate pair and being in interengaged relationship with the ribs of the other plate of said plate pair.

4. (Original) A heat exchanger according to claim 2, wherein each plate has a further plurality of ribs each of anticlastic form, with the further ribs of each plate of each plate pair projecting inwardly of said plate pair and being in interengaged relationship with the further ribs of the adjacent plate of the adjacent plate pair.

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Original) A heat exchanger according to claim 1, further comprising a heat exchanger casing within which the plurality of heat exchanger plates are disposed, a reinforcement plate being mounted within the casing between the heat exchanger plates and a side wall of the casing.

11. (Original) A heat exchanger according to claim 10, wherein the reinforcement plate facilitates maintaining securement of the substantially abutting contact or overlapping of edges of the casing side wall.

12. (Original) A heat exchanger according to claim 10, wherein the reinforcement plate mates with a bulbous portion presented by each heat exchanger plate substantially to prevent short circuiting of coolant from a coolant inlet in the heat exchanger casing to a coolant outlet in the heat exchanger casing.